

Contents Volume 11 (1989)

- Alonso, J.A., → Baladrón, C. 323
 Alonso, J.A., → Iñiguez, M.P. 163
 Andersen, N., → Nielsen, S.E. 123
 Arnold, E., → Neu, W. 105
 Arvanitis, D., Rabus, H., Wenzel, L., Baberschke, K.: Intramolecular resonances after *K*-shell excitation of C_2H_2 adsorbed on Ag and Cu(100) surfaces 219
 Baberschke, K., → Arvanitis, D. 219
 Bachau, H., Lambropoulos, P.: Theory of single and double ionization of helium through two-photon excitation of the $1S_0$ (1) doubly excited resonance 37
 Baladrón, C., López, J.M., Iñiguez, M.P., Alonso, J.A.: Coulomb explosion of charged jellium clusters 323
 Blanke, J.H., → Möller, G. 333
 Blanke, J.H., → Rashid, K. 99
 Böhmer, H.-U., Peyerimhoff, S.D.: Stability and structure of singly-charged argon clusters Ar_n^+ , $n=3-27$. A Monte-Carlo simulation 239
 Bosanac, S.D.: Anomalies of the rotational rainbow 81
 Brauner, M., Briggs, J.S., Klar, H.: Three-body dynamics in the reaction $H(e, 2e) H^+$ at intermediate energies 257
 Breuer, H.P., Holthaus, M.: Adiabatic processes in the ionization of highly excited hydrogen atoms 1
 Briggs, J.S., → Brauner, M. 257
 Brot, C.: Hydrogen bonded clusters of alcohol molecules in inert solvents: a chain statistics approach 249
 Buch, P., → Unkel, P. 259
 Carlsson, J., Sturesson, L., Svanberg, S.: Accurate time-resolved laser spectroscopy on sputtered metal atoms 287
 Dembczynski, J., → Unkel, P. 259
 Desclaux, J.-P., → Rashid, K. 99
 Dexter, J.L., → Eichmann, U. 187
 Djurović, S., Konjević, N.: Stark broadening and shift of neutral iodine lines and regularities for analogous transitions of halogen atoms 113
 Djurović, S., → Vujičić, B.T. 119
 Eichmann, U., Dexter, J.L., Xu, E.Y., Gallagher, T.F.: Microwave ionization and excitation of Ba Rydberg atoms 187
 Eller, M., → Naß, P. 71
 Ertmer, W., → Unkel, P. 259
 Faisal, F.H.M., → Jetzke, S. 63
 Fiedler, J., Frey, L., Steigerwald, F., Langhoff, H., Griegel, T., Petkau, K., Hammer, W.: VUV-transitions in ionic rare-gas alkali molecules 141
 Fink, M., Ross, A.W., Fink, R.J.: Cross sections and spin polarizations of electrons elastically scattered from oriented molecules (CH_3I) 231
 Fink, R.J., → Fink, M. 231
 Frerichs, M.R.: Simulation of stochastic model processes in the theory of Stark-broadening 315
 Frey, L., → Fiedler, J. 141
 Fricke, B., → Neu, W. 105
 Fricke, B., → Rashid, K. 99
 Gallagher, T.F., → Eichmann, U. 187
 Gerz, Ch., → Roth, A. 283
 Ghosh, A.S., → Mukherjee, T. 147
 Griegel, T., → Fiedler, J. 141
 Halenka, J., → Vujičić, B.T. 119
 Hammer, W., → Fiedler, J. 141
 Heckmann, P.H., → Möller, G. 333
 Heijmen, B., → Liedenbaum, C. 175
 Hermann, A., Werth, G.: Collisional de-excitation of the metastable *D*-states of Ba^+ by He, Ne, N_2 and H_2 301
 Herrmann, R., → Kamke, B. 153
 Hertel, I.V., → Kamke, B. 153
 Hippler, R., Schwier, H., Jetzke, S., Lutz, H.O.: Photoelectron-spectroscopy of multiphoton ionization of rare gases with circularly and linearly polarized light 199
 Ho, Y.K.: Resonances in helium atoms associated with the $N=4$ and $N=5$ He^+ thresholds 277
 Holthaus, M., → Breuer, H.P. 1
 Hornburger, H.: Nonradiative transitions in benzene. III. Influence of the non-Condon effect on the excess energy dependence of the rate 129
 Huber, B.A., → Lebius, H. 53
 Hutton, R., → Träbert, E. 207
 Iñiguez, M.P., Lopez, M.J., Alonso, J.A., Soler, J.M.: Electronic and atomic structure of Na, Mg, Al and Pb clusters 163
 Iñiguez, M.P., → Baladrón, C. 323
 Ishida, T., → Saito, Y. 87
 ISOLDE Collaboration → Neu, W. 105
 Jakubaša-Amundsen, D.H.: Relativistic theory for *K*-shell ionisation by fast electrons 305
 Jetzke, S., Zaremba, J., Faisal, F.H.M.: Electron impact ionization of atomic hydrogen 63
 Jetzke, S., → Hippler, R. 199
 Johann, U., → Unkel, P. 259
 Joos, E., Lindner, A.: Langevin equation for the parametric oscillator: a model for ion confinement in a radio frequency trap 295
 Kamke, B., Kamke, W., Herrmann, R., Hertel, I.V.: Exciton absorption and intramolecular Penning ionisation in small molecular clusters I: (N_2O)_n and $C_6H_5CN \cdot (N_2O)_n$ 153
 Kamke, W., → Kamke, B. 153
 Kimura, K.: Shape effect and quantum size effect on small metal particles 327
 Klar, H.: Periodic orbits in atomic hydrogen exposed to circularly polarised laser light 45
 Klar, H., → Brauner, M. 257
 Kluge, H.J., → Neu, W. 105
 Konjević, N., → Djurović, S. 113
 Kosłowski, H.R., → Lebius, H. 53
 Kowalczyk, P., Milošević, S., Pichler, G.: Collisional population of the 2^3P_2 state in K_2 213
 Kutzelnigg, W.: Perturbation theory of relativistic corrections. 1. The non-relativistic limit of the Dirac equation and a direct perturbation expansion 15
 Lambropoulos, P., → Bachau, H. 37
 Langhoff, H., → Fiedler, J. 141
 Lebius, H., Kosłowski, H.R., Huber, B.A.: State-selective single electron capture by multiply charged ions. Reaction window and multichannel Landau Zener calculations 53
 Liedenbaum, C., Heijmen, B., Stolte, S., Reuss, J.: IR predissociation of halogenated methane van der Waals complexes 175
 Lindner, A., → Joos, E. 295
 Livingston, A.E., → Möller, G. 333
 Lodwig, V., → Möller, G. 333
 López, J.M., → Baladrón, C. 323
 Lopez, M.J., → Iñiguez, M.P. 163
 Ludwig, N., → Naß, P. 71
 Lutz, H.O., → Hippler, R. 199
 Martinson, I., → Träbert, E. 207
 Millack, T.: Second order *g*-Hartree calculations of the dipole-constants of Li and B 181
 Milošević, S., → Kowalczyk, P. 213
 Minami, K., → Saito, Y. 87
 Mokler, P.H., → Möller, G. 333
 Möller, G., Träbert, E., Lodwig, V., Wagner, C., Heckmann, P.H., Blanke, J.H., Livingston, A.E., Mokler, P.H.: Experimental transition probability for the $E1$ intercombination transition in Be-like Xe^{50+} 333
 Mukherjee, T., Sur, S., Ghosh, A.S.: Positron-nitrogen molecule scattering at low energies 147
 Naß, P., Eller, M., Ludwig, N., Reichert, E., Webersinke, M.: Polarization transfer in the n^2P -excitation of alkali atoms by longitudinally polarized electrons 71
 Neu, W., Neugart, R., Otten, E.-W., Passler, G., Wendt, K., Fricke, B., Arnold, E., Kluge, H.J., Ulm, G., ISOLDE Collaboration: Quadrupole moments of radium isotopes from the $7p^2P_{3/2}$ hyperfine structure in Ra II 105
 Neugart, R., → Neu, W. 105
 Nielsen, S.E., Andersen, N.: Direct transitions among atomic states of negative reflection symmetry in the scattering plane: $Li(2p_0, 3p_0, 3d_{3/2})$ -He collisions 123
 Noda, T., → Saito, Y. 87
 Otten, E.-W., → Neu, W. 105
 Passler, G., → Neu, W. 105
 Petkau, K., → Fiedler, J. 141
 Peyerimhoff, S.D., → Böhmer, H.-U. 239
 Pichler, G., → Kowalczyk, P. 213
 Potvliege, R.M., Shakeshaft, R.: High-order

- harmonic generation and Raman scattering by hydrogen in perturbation theory 93
- Rabus, H., → Arvanitis, D. 219
- Rashid, K., Fricke, B., Blanke, J.H., Desclaux, J.-P.: Ground state correlation energy of the Be-sequence for $Z=4-20$ in MCDF approximation 99
- Reichert, E., → Naß, P. 71
- Reistad, N., → Träbert, E. 207
- Reuss, J., → Liedenbaum, C. 175
- Ross, A.W., → Fink, M. 231
- Roth, A., Gerz, Ch., Wilsdorf, D., Werth, G.: Lifetime of the metastable $6P_{3/2}$ level of PbII 283
- Saito, Y., Minami, K., Ishida, T., Noda, T.: Abundance of Na cluster ions ejected from a liquid metal ion source 87
- Schlüter, D.: Gaunt factors for free-free transitions in the fields of positive ions of carbon, nitrogen, and oxygen, calculated in the Scaled Thomas-Fermi approximation 273
- Schwier, H., → Hippler, R. 199
- Shakeshaft, R., → Potvliege, R.M. 93
- Soff, G.: Higher-order vacuum polarization charge densities for spherical symmetric external potentials 29
- Soler, J.M., → Iñiguez, M.P. 163
- Steigerwald, F., → Fiedler, J. 141
- Stolte, S., → Liedenbaum, C. 175
- Sturesson, L., → Carlsson, J. 287
- Sur, S., → Mukherjee, T. 147
- Svanberg, S., → Carlsson, J. 287
- Träbert, E., Reistad, N., Martinson, I., Hut-ton, R.: Beam-foil lifetime data for $3s\ 3p^3$ and $3s^2\ 3p\ 3d$ levels of Si-like Ni^{14+} 207
- Träbert, E., → Möller, G. 333
- Ulm, G., → Neu, W. 105
- Unkel, P., Buch, P., Dembczyński, J., Ertmer, W., Johann, U.: Sternheimer free determination of the ^{51}V nuclear quadrupole moment from hyperfine structure measurements 259
- Vujičić, B.T., Djurović, S., Halenka, J.: The Stark broadening of the He I 667.8 nm line 119
- Wagner, C., → Möller, G. 333
- Webersinke, M., → Naß, P. 71
- Wendt, K., → Neu, W. 105
- Wenzel, L., → Arvanitis, D. 219
- Werth, G., → Hermann, A. 301
- Werth, G., → Roth, A. 283
- Wilsdorf, D., → Roth, A. 283
- Xu, E.Y., → Eichmann, U. 187
- Zaremba, J., → Jetzke, S. 63

Indexed in *Current Contents*
Evaluated and abstracted
for PHYS on STN

